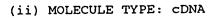
SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Gorman, Daniel M. Randall, Troy D. Zlotnik, Albert
- (ii) TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED REAGENTS
- (iii) NUMBER OF SEQUENCES: 8
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: DNAX Research Institute
 - (B) STREET: 901 California Avenue
 - (C) CITY: Palo Alto
 - (D) STATE: California
 - (E) COUNTRY: USA
 - (F) ZIP: 94304-1104
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/911,423
 - (B) FILING DATE: 14-AUG-1997
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 60/023,419
 - (B) FILING DATE: 16-AUG-1996
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 60/027,901
 - (B) FILING DATE: 07-OCT-1996
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Ching, Edwin P.
 - (B) REGISTRATION NUMBER: 34,090
 - (C) REFERENCE/DOCKET NUMBER: DX0612K
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 650-852-9196
 - (B) TELEFAX: 650-496-1200
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1073 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear



(ix) FEATURE:
(A) NAME/KEY: CDS
(B) LOCATION: 68..751

(vi)	SPOURNCE	DESCRIPTION:	SEO	ID	NO:1:	
IXII	SECUENCE	DESCRIETION.	222	10	110.1.	

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CTCGAGATCC ATTGTGCTGG AAAGGGAACT CCTGAAATCA GCCGACAGAA GACTCAGGAG								
AAGCACT ATG GGG GCA TGG GCC ATG CTG TAT GGA GTC TCG ATG CTC TGT Met Gly Ala Trp Ala Met Leu Tyr Gly Val Ser Met Leu Cys 1 5 10	109							
GTG CTG GAC CTA GGT CAG CCG AGT GTA GTT GAG GAG CCT GGC TGT GGC Val Leu Asp Leu Gly Gln Pro Ser Val Val Glu Glu Pro Gly Cys Gly 25 30	157							
CCT GGC AAG GTT CAG AAC GGA AGT GGC AAC AAC ACT CGC TGC TGC AGC Pro Gly Lys Val Gln Asn Gly Ser Gly Asn Asn Thr Arg Cys Cys Ser 35 40 45	205							
CTG TAT GCT CCA GGC AAG GAG GAC TGT CCA AAA GAA AGG TGC ATA TGT Leu Tyr Ala Pro Gly Lys Glu Asp Cys Pro Lys Glu Arg Cys Ile Cys 50 60	253							
GTC ACA CCT GAG TAC CAC TGT GGA GAC CCT CAG TGC AAG ATC TGC AAG Val Thr Pro Glu Tyr His Cys Gly Asp Pro Gln Cys Lys 11e Cys Lys 65 70 75	301							
CAC TAC CCC TGC CAA CCA GGC CAG AGG GTG GAG TCT CAA GGG GAT ATT His Tyr Pro Cys Gln Pro Gly Gln Arg Val Glu Ser Gln Gly Asp Ile 80 85 90	349							
GTG TTT GGC TTC CGG TGT GTT GCC TGT GCC ATG GGC ACC TTC TCC GCA Val Phe Gly Phe Arg Cys Val Ala Cys Ala Met Gly Thr Phe Ser Ala 95 100 105 110	397							
GGT CGT GAC GGT CAC TGC AGA CTT TGG ACC AAC TGT TCT CAG TTT GGA Gly Arg Asp Gly His Cys Arg Leu Trp Thr Asn Cys Ser Gln Phe Gly 115 120 125	445							
TTT CTC ACC ATG TTC CCT GGG AAC AAG ACC CAC AAT GCT GTG TGC ATC Phe Leu Thr Met Phe Pro Gly Asn Lys Thr His Asn Ala Val Cys Ile 130 135 140	493							
CCG GAG CCA CTG CCC ACT GAG CAA TAC GGC CAT TTG ACT GTC ATC TTC Pro Glu Pro Leu Pro Thr Glu Gln Tyr Gly His Leu Thr Val Ile Phe 145 150 155	541							
CTG GTC ATG GCT GCA TGC ATT TTC TTC CTA ACC ACA GTC CAG CTC GGC Leu Val Met Ala Ala Cys Ile Phe Phe Leu Thr Thr Val Gln Leu Gly 160	589							
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Leu His Ile Trp Gln Leu Arg Arg Gln His Met Cys Pro Arg Glu Thr 175 180 185 190									
CAG CCA TTC GCG GAG GTG CAG TTG TCA GCT GAG GAT GCT TGC AGC TTC Gln Pro Phe Ala Glu Val Gln Leu Ser Ala Glu Asp Ala Cys Ser Phe 195 200 205	685								
CAG TTC CCT GAG GAG GAA CGC GGG GAG CAG ACA GAA GAA	733								
CTG GGG GGT CGG TGG CCA TGAGGCCTGG TCTTCCTCTG TGCCCCAAGC Leu Gly Gly Arg Trp Pro 225	781								
CAGACGCTAC AAGACTTGCC CAGCTATACC CTTGGTGAGA GCAGGGGCCA TGCTCTGCAC	841								
CCTTCCCTGG GCCTGGCCCT GCTCCCCTCA ACAGTGGCGG AAGTGGGTGT ATGAGAGCGG	901								
TGAGTTACGA TTGGGCCCTA TGGCTGCCTT TCTCATTTGA CAGCTCTGTT GGAGTAGGGT	961								
CTTTGGGCCC ACCAAGAGCA CCACGTTTAG CACAAGATCT TGTACAAGAA TAAATACTTG	1021								
TTTAGTAACC TGAAAAAAAA AAAAAAAAGG GCGGCCGCGG AGGCCGAATT CC	1073								
(2) INFORMATION FOR SEQ ID NO:2:									
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 228 amino acids(B) TYPE: amino acid(D) TOPOLOGY: linear									
(ii) MOLECULE TYPE: protein									
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:									
Met Gly Ala Trp Ala Met Leu Tyr Gly Val Ser Met Leu Cys Val Leu 1 5 10 15									
1 5 10 15 Asp Leu Gly Gln Pro Ser Val Val Glu Glu Pro Gly Cys Gly Pro Gly									
Asp Leu Gly Gln Pro Ser Val Val Glu Glu Pro Gly Cys Gly Pro Gly 20 25 30 Lys Val Gln Asn Gly Ser Gly Asn Asn Thr Arg Cys Cys Ser Leu Tyr									
Asp Leu Gly Gln Pro Ser Val Val Glu Glu Pro Gly Cys Gly Pro Gly 20 25 30 Lys Val Gln Asn Gly Ser Gly Asn Asn Thr Arg Cys Cys Ser Leu Tyr 35 40 45 Ala Pro Gly Lys Glu Asp Cys Pro Lys Glu Arg Cys Ile Cys Val Thr									
Asp Leu Gly Gln Pro Ser Val Val Glu Glu Pro Gly Cys Gly Pro Gly 20 25 30 Lys Val Gln Asn Gly Ser Gly Asn Asn Thr Arg Cys Cys Ser Leu Tyr 40 45 Ala Pro Gly Lys Glu Asp Cys Pro Lys Glu Arg Cys Ile Cys Val Thr 50 55 60 Pro Glu Tyr His Cys Gly Asp Pro Gln Cys Lys Ile Cys Lys His Tyr									





Asp Gly His Cys Arg Leu Trp Thr Asn Cys Ser Gln Phe Gly Phe Leu Thr Met Phe Pro Gly Asn Lys Thr His Asn Ala Val Cys Ile Pro Glu 130 Pro Leu Pro Thr Glu Gln Tyr Gly His Leu Thr Val Ile Phe Leu Val 155 Met Ala Ala Cys Ile Phe Phe Leu Thr Thr Val Gln Leu Gly Leu His 165 Ile Trp Gln Leu Arg Arg Gln His Met Cys Pro Arg Glu Thr Gln Pro . 185 Phe Ala Glu Val Gln Leu Ser Ala Glu Asp Ala Cys Ser Phe Gln Phe 200 Pro Glu Glu Glu Arg Gly Glu Gln Thr Glu Glu Lys Cys His Leu Gly 210 Gly Arg Trp Pro 225 (2) INFORMATION FOR SEQ ID NO:3: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1006 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (ix) FEATURE: (A) NAME/KEY: CDS (B) LOCATION: 1..723 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3: ATG GCA CAG CAC GGG GCG ATG GGC GCG TTT CGG GCC CTG TGC GGC CTG 48 Met Ala Gln His Gly Ala Met Gly Ala Phe Arg Ala Leu Cys Gly Leu 96 GCG CTG CTG TGC GCG CTC AGC CTG GGT CAG CGC CCC ACC GGG GGT CCC Ala Leu Leu Cys Ala Leu Ser Leu Gly Gln Arg Pro Thr Gly Gly Pro 20 GGG TGC GGC CCT GGG CGC CTC CTG CTT GGG ACG GGA ACG GAC GCG CGC 144

Gly Cys Gly Pro Gly Arg Leu Leu Leu Gly Thr Gly Thr Asp Ala Arg

TGC TGC CGG GTT CAC ACG ACG CGC TGC TGC CGC GAT TAC CCG GGC GAG

Cys Cys Arg Val His Thr Thr Arg Cys Cys Arg Asp Tyr Pro Gly Glu

35

50

-

192





GAG Glu 65	TGC Cys	TGT Cys	TCC Ser	GAG Glu	TGG Trp 70	GAC Asp	TGC Cys	ATG Met	TGT Cys	GTC Val 75	CAG Gln	CCT Pro	GAA Glu	TTC Phe	CAC His 80	240
TGC Cys	GGA Gly	GAC Asp	CCT Pro	TGC Cys 85	TGC Cys	ACG Thr	ACC Thr	TGC Cys	CGG Arg 90	CAC His	CAC His	CCT Pro	TGT Cys	CCC Pro 95	CCA Pro	288
GGC Gly	CAG Gln	GGG Gly	GTA Val 100	CAG Gln	TCC Ser	CAG Gln	GGG Gly	AAA Lys 105	TTC Phe	AGT Ser	TTT Phe	GGC Gly	TTC Phe 110	CAG Gln	TGT Cys	336
ATC Ile	GAC Asp	TGT Cys 115	GCC Ala	TCG Ser	GGG Gly	ACC Thr	TTC Phe 120	TCC Ser	GGG Gly	GGC Gly	CAC His	GAA Glu 125	GGC Gly	CAC His	TGC Cys	384
AAA Lys	CCT Pro 130	TGG Trp	ACA Thr	GAC Asp	TGC Cys	ACC Thr 135	CAG Gln	TTC Phe	GGG Gly	TTT Phe	CTC Leu 140	ACT Thr	GTG Val	TTC Phe	CCT Pro	432
GGG Gly 145	Asn	AAG Lys	ACC Thr	CAC His	AAC Asn 150	Ala	GTG Val	TGC Cys	GTC Val	CCA Pro 155	GGG Gly	TCC Ser	CCG Pro	CCG Pro	GCA Ala 160	480
GAG Glu	CCG Pro	CTT Leu	GGG Gly	TGG Trp 165	Leu	ACC Thr	GTC Val	GTC Val	CTC Leu 170	CTG Leu	GCC Ala	GTG Val	GCC Ala	GCC Ala 175	TGC Cys	528
GTC Val	CTC Leu	CTC Leu	CTG Leu 180	Thr	TCG Ser	GCC Ala	CAG Gln	CTT Leu 185	Gly	CTG Leu	CAC His	ATC Ile	TGG Trp 190	GIn	CTG Leu	576
AGG Arg	AGT Ser	CAG Gln 195	Cys	: ATG : Met	TGG Trp	CCC Pro	CGA Arg 200	Glu	ACC Thr	CAG Gln	CTG Leu	CTG Leu 205	ьeu	GAG Glu	GTG Val	624
CCC	CCG Pro 210	Ser	ACC Thr	GAA Glu	GAC Asp	GCC Ala 215	Arg	AGC Ser	TGC Cys	CAG Gln	TTC Phe 220	Pro	GAG Glu	GAA Glu	GAG Glu	672
CGC Arg 225	g Gly	GAC Glu	CGA Arg	TCC J Ser	G GCA : Ala 230	Glu	GAG Glu	AAC Lys	GGG Gly	CGC Arg 235	, Let	GGA Gly	GAC Asp	CTG Leu	TGG Trp 240	720
GT(Va.		AGCCT	rggc	CGT	CTC	CGG C	GCC <i>I</i>	ACCG#	AC CO	CAGO	CCAGO	ccc	CTCCC	CAG		773
GAG	GCTCC	CCCA	GGC	CGCA	GGG (CTC	rgcg:	rr ca	rgcTc	CTGG	CCC	GGCC	CCTG	CTCC	CCTGGC	833
AG	CAGA	AGTG	GGT	GCAG	GAA (GTG	GCAG!	rg ag	CCAG	CGCC	TG	GACC	ATGC	AGTT	rcggcgg	893
CC	GCTC?	raaa	GGA	rcca	AGC 1	rtac(STAC	GC G	rĠCA'	rgcgi	A CG	rcat?	AGCT	СТТС	CTATAGT	953
GT	CACC	AAAT	TTC	AATT	CAC '	rggc	CGTC	GT T	TAC	AACG'	r cc	rgac'	rggg	AAA		1006

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 241 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Met Ala Gln His Gly Ala Met Gly Ala Phe Arg Ala Leu Cys Gly Leu
1 5 10 15

Ala Leu Leu Cys Ala Leu Ser Leu Gly Gln Arg Pro Thr Gly Gly Pro 20 25 30 .

Gly Cys Gly Pro Gly Arg Leu Leu Leu Gly Thr Gly Thr Asp Ala Arg
35 40 45

Cys Cys Arg Val His Thr Thr Arg Cys Cys Arg Asp Tyr Pro Gly Glu
50 55 60

Glu Cys Cys Ser Glu Trp Asp Cys Met Cys Val Gln Pro Glu Phe His 65 70 75 80

Cys Gly Asp Pro Cys Cys Thr Thr Cys Arg His His Pro Cys Pro Pro 85 90 95

Gly Gln Gly Val Gln Ser Gln Gly Lys Phe Ser Phe Gly Phe Gln Cys 100 105 110

Ile Asp Cys Ala Ser Gly Thr Phe Ser Gly Gly His Glu Gly His Cys
115 120 125

Lys Pro Trp Thr Asp Cys Thr Gln Phe Gly Phe Leu Thr Val Phe Pro 130 135 140

Gly Asn Lys Thr His Asn Ala Val Cys Val Pro Gly Ser Pro Pro Ala 145 150 155 160

Glu Pro Leu Gly Trp Leu Thr Val Val Leu Leu Ala Val Ala Ala Cys 165 170 175

Val Leu Leu Thr Ser Ala Gln Leu Gly Leu His Ile Trp Gln Leu 180 185 190

Arg Ser Gln Cys Met Trp Pro Arg Glu Thr Gln Leu Leu Glu Val 195 200 205

Pro Pro Ser Thr Glu Asp Ala Arg Ser Cys Gln Phe Pro Glu Glu Glu 210 215 220

Arg Gly Glu Arg Ser Ala Glu Glu Lys Gly Arg Leu Gly Asp Leu Trp 225 230 235 240

Val



(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 723 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

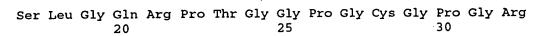
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GCNYTNWSNY	TNGGNCARMG	NCCNACNGGN	GGNCCNGGNT	GYGGNCCNGG	NMGNYTNYTN	120
YTNGGNACNG	GNACNGAYGC	NMGNTGYTGY	MGNGTNCAYA	CNACNMGNTG	YTGYMGNGAY	180
TAYCCNGGNG	ARGARTGYTG	YWSNGARTGG	GAYTGYATGT	GYGTNCARCC	NGARTTYCAY	240
TGYGGNGAYC	CNTGYTGYAC	NACNTGYMGN	CAYCAYCCNT	GYCCNCCNGG	NCARGGNGTN	300
CARWSNCARG	GNAARTTYWS	NTTYGGNTTY	CARTGYATHG	AYTGYGCNWS	NGGNACNTTY	360
WSNGGNGGNC	AYGARGGNCA	YTGYAARCCN	TGGACNGAYT	GYACNCARTT	YGGNTTYYTN	420
ACNGTNTTYC	CNGGNAAYAA	RACNCAYAAY	GCNGTNTGYG	TNCCNGGNWS	NCCNCCNGCN	480
GARCCNYTNG	GNTGGYTNAC	NGTNGTNYTN	YTNGCNGTNG	CNGCNTGYGT	NYTNYTNYTN	540
ACNWSNGCNC	ARYTNGGNYT	NCAYATHTGG	CARYTNMGNW	SNCARTGYAT	GTGGCCNMGN	600
GARACNCARY	TNYTNYTNGA	RGTNCCNCCN	WSNACNGARG	AYGCNMGNWS	NTGYCARTTY	660
CCNGARGARG	ARMGNGGNGA	RMGNWSNGCN	GARGARAARG	GNMGNYTNGG	NGAYYTNTGG	720
GTN						723

(2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 228 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide '

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Met Gly Ala Phe Arg Ala Leu Cys Gly Leu Ala Leu Leu Cys Ala Leu 1 5 10 15



Leu Leu Cly Thr Gly Thr Asp Ala Arg Cys Cys Arg Val His Thr 35 40 45

Thr Arg Cys Cys Arg Asp Tyr Pro Gly Glu Glu Cys Cys Ser Glu Trp 50 55 60

Asp Cys Met Cys Val Gln Pro Glu Phe His Cys Gly Asp Pro Cys Cys 65 70 75 80

Thr Thr Cys Arg His His Pro Cys Pro Pro Gly Gln Gly Val Gln Ser 85 90 95

Gln Gly Lys Phe Ser Phe Gly Phe Gln Cys Ile Asp Cys Ala Ser Gly
100 105 110

Thr Phe Ser Gly Gly His Glu Gly His Cys Lys Pro Trp Thr Asp Cys
115 120 125

Thr Gln Phe Gly Phe Leu Thr Val Phe Pro Gly Asn Lys Thr His Asn 130 135 140

Ala Val Cys Val Pro Gly Ser Pro Pro Ala Glu Pro Leu Gly Trp Leu 145 150 155 160

Thr Val Val Leu Leu Ala Val Ala Ala Cys Val Leu Leu Leu Thr Ser 165 170 175

Ala Gln Leu Gly Leu His Ile Trp Gln Leu Arg Lys Thr Gln Leu Leu 180 185 190

Leu Glu Val Pro Pro Ser Thr Glu Asp Ala Arg Ser Cys Gln Phe Pro 195 200 205

Glu Glu Glu Arg Gly Glu Arg Ser Ala Glu Glu Lys Gly Arg Leu Gly
210 215 220

Asp Leu Trp Val 225

(2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 232 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Met Gly Ala Phe Arg Ala Leu Cys Gly Leu Ala Leu Leu Cys Ala Leu

1 10 15

Ser Leu Gly Gln Arg Pro Thr Gly Gly Pro Gly Cys Gly Pro Gly Arg
20 25 30

Leu Leu Cly Thr Gly Thr Asp Ala Arg Cys Cys Arg Val His Thr 35 40 45

Thr Arg Cys Cys Arg Asp Tyr Pro Gly Glu Glu Cys Cys Ser Glu Trp 50 55 60

Asp Cys Met Cys Val Gln Pro Glu Phe His Cys Gly Asp Pro Cys Cys 65 70 75 80

Thr Thr Cys Arg His His Pro Cys Pro Pro Gly Gln Gly Val Gln Ser 85 90 95

Gln Gly Lys Ser Trp Arg Cys Leu Trp Glu Ser Thr Gln Ala Arg Gly
100 105 110

Ser Thr Arg Ala Arg Gly Arg Ala Arg Gly His Arg Cys Pro Ala Arg 115. 120 125

Thr Cys Gly Val Trp Gly Pro Glu Ser Cys Glu Ala Gly Gln Ala Arg 130 135 140

Pro Cys Ser Gly Thr Thr Gly His Glu Ala Leu Gly Val Ser Cys Pro 145 150 155 160

Cys Phe Leu Ser Leu Gly Phe Ser Ile Gln His Glu Gly Cys Glu Asn 165 170 175

Pro Ala Gly Arg Trp Gly Arg Val Pro Gly Ala Val Trp Leu Ser Gly 180 185 190

Pro Gly His Pro Ser Cys Leu Ser Ser Pro His Thr Glu Arg Ala Cys 195 200 205

Pro Val Pro Pro Gly Val Leu Ser Gly Ala Trp Gly Cys Thr Leu Phe 210 215 220

Trp Lys Glu Gln Leu Lys Ser Ser 225 230

(2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 311 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: peptide



(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Met Gly Ala Phe Arg Ala Leu Cys Gly Leu Ala Leu Leu Cys Ala Leu 1 5 10 15

Ser Leu Gly Gln Arg Pro Thr Gly Gly Pro Gly Cys Gly Pro Gly Arg
20 25 30

Leu Leu Gly Thr Gly Thr Asp Ala Arg Cys Cys Arg Val His Thr 35 40 45

Thr Arg Cys Cys Arg Asp Tyr Pro Gly Glu Glu Cys Cys Ser Glu Trp
50 55 60

Asp Cys Met Cys Val Gln Pro Glu Phe His Cys Gly Asp Pro Cys Cys 65 70 75 80

Thr Thr Cys Arg His His Pro Cys Pro Pro Gly Gln Gly Val Gln Ser 85 90 95

Gln Gly Lys Phe Ser Phe Gly Phe Gln Cys Ile Asp Cys Ala Ser Gly
100 105 110

Thr Phe Ser Gly Gly His Glu Gly His Cys Lys Pro Trp Thr Asp Cys 115 120 125

Thr Gln Phe Gly Phe Leu Thr Val Phe Pro Gly Asn Lys Thr His Asn 130 135 140

Ala Val Cys Val Pro Gly Ser Pro Pro Ala Glu Pro Leu Gly Trp Leu 145 150 155 160

Thr Val Val Leu Leu Ala Val Ala Ala Cys Val Leu Leu Leu Thr Ser 165 170 175

Ala Gln Leu Gly Leu His Ile Trp Gln Leu Arg Ser Gln Cys Met Trp 180 185 190

Pro Arg Gly Leu Ser Gln Pro Gly Ala Gly Arg Trp Glu His Gly Cys 195 200 205

Leu Leu Thr Val Ala Pro Leu Gln Arg Pro Ser Cys Cys Trp Arg Cys 210 215 220

Arg Arg Pro Lys Thr Pro Glu Ala Ala Ser Ser Pro Arg Lys Ser 225 230 235 240

Gly Ala Ser Asp Arg Gln Arg Arg Arg Gly Gly Trp Glu Thr Cys Gly
245 250 255

Cys Glu Pro Gly Arg Pro Pro Gly Pro Pro Thr Ala Ala Ser Pro Ser 260 265 270

Pro Gly Ala Pro Gln Ala Ala Gly Ala Leu Arg Ser Ala Leu Gly Arg 275 280 285

Ala Leu Leu Pro Trp Gln Gln Lys Trp Val Gln Glu Gly Gly Ser Asp 290 295 300 the day must be then the term of the the term of the t

Gln Arg Pro Gly Pro Cys Ser 305